| SITE: | Moss Landing | LATITUDE: | 36-47.7 |
|-----------|-------------------|---------------------|----------|
| HAZARD: | Vessel Navigation | LONGITUDE: 121-47.0 | 121-47.0 |
| VOLUME: | 87,500 bbl | | |
| DURATION: | 3 days | | |

TRAJECTORY ANALYSIS

out of Monterey Bay within 3 days. transport without additional wind driven transport would not be expected to move the spill magnitude over the 10-day time period. Based on this analysis, spreading and tidal Spreading of the spill would be expected to increase the size of the spill by a similar the flood tide would be expected to transport a spill a similar distance to the north. landing approximately 4 miles to the southwest towards Point Pinos. Tidal action during dispersion. Spill transport on an ebbing tide would be expected to move the oil from the spreading of the oil spill by physical processes such as gravity, surface tension, and tidal River. The trajectory analysis considered oil transport by the wind and tidal currents, and which is located in central Monterey Bay approximately three miles north of the Salinas A spill trajectory envelope was calculated for the vessel hazard area at Moss Landing,

Point Sur. spreading, north-northwesterly winds could transport the spill down the coast as far as San Francisco to within 3 miles of Point Ano Nuevo. the spill to be transported to the north or south along the coast outside of Monterey Bay direction, strength and persistence of local winds. Certain wind conditions could allow Easterly winds could transport the spill as far as 10 miles offshore over a 3-day time Wind-induced surface currents could cause additional transport of oil depending on the When combined with the spreading effects of tidal action and mechanical Likewise, south-south-easterly winds could move the oil up the coast towards

preparing these spill envelopes is provided in Section 202.2. envelopes do not represent the trajectory of any one spill. A full discussion of the details used for and wind and assume pessimistic dispersion and other adverse weather conditions. These trajectory oil in the event of any spill. The envelopes are based on regional extremes of climate, tide, current, These spill trajectory envelopes represent the outer perimeter of shoreside areas that could receive

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